

2017 18th International Scientific Conference on Electric Power Engineering (EPE)

Wednesday, May 17, 2017 - first day of the conference

Short Presentation - Electrical Networks (ROOM 400)

Guarantee: Petr Moldřik (VŠB - TU Ostrava, CZ),

Chairman: Jiří Gurecký (VŠB – TU Ostrava, CZ)



Time	No	Authors	Title of paper
15:30 - 16:45	9	Girts Stana, Viesturs Brazis	Trolleybus Motion Simulation by Dealing with Overhead DC Network Energy Transmission Losses
	12	Sergey Kokin, Dmitriy Pavlyuchenko, Dmitriy Shevtsov	Features of Controlled Switching Under Normal and Emergency Operating Conditions in Medium Voltage Networks
	18	Tomáš Nazarčík, Zdeňka Benešová	Origin of the circulating currents on the quadruple EHV/VHV transmission line during the specific operation
	30	Sylwester Robak, Jan Machowski, Konrad Gryszpanowicz	Contingency selection for power system stability analysis
	73	Agata Szultka, Robert Małkowski	Selection of Optimal Location and Rated Power of Capacitor Banks in Distribution Network using Genetic Algorithm
	94	Petr Pichlik, Jiri Zdenek	Locomotive Velocity Estimation for a Slip Control Purpose by an Unscented Kalman Filter
	7	Anna Gawlak, Leszek Poniatoski	Power and energy losses in low-voltage overhead lines with prosumer microgeneration plants
	8	Anna Gawlak	The impact of micro-installations in the distribution network on the quality parameters of electricity
	130	Jan Dudek, Roman Hrbac, Jan Veleba, Ivo Ullman	Examination of Failure Modes on Tertiary Side of Transformers in Czech Transmission Power System
16:45 - 17:15	Coffee break		



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Time	No	Authors	Title of paper
17:15 - 18:30	134	Vaclav Muzik, Zdenek Vostracky	Under Frequency Load Shedding threats in Island Operation
	139	Vladimir Vajnar, Barry Rawn, Zdenek Vostracky	Assessment of the Delayed Current Zeros Occurrence Using the Evaluation of the Z-bus Matrix in Matpower Toolkit
	158	Vaclav Vycital, Michal Ptacek, Petr Toman, David Topolaneck	Earthing System Resistance Calculation Using Analytical Approach with Mutual Coefficients
	122	Ján Zbojovský, Marek Pavlík	Measuring and simulation of the shielding effectiveness of electromagnetic field of brick wall in the frequency range from 0.9 GHz to 5 GHz
	175	Oliver Marcincin, Zdenek Medvec, Petr Moldrik	The Impact of Electric Vehicles on Distribution Network
	157	Vaclav Kolar, Roman Hrbac, Tomas Mlcak, Jan Dudek	Selecting a Suitable Controlling Algorithm for a Regulated Electric Drainage
	185	David Lazecký, Vladimír Král, Stanislav Rusek, Radomír Goňo	Software Solution Design for Application of Reliability Centered Maintenance in Preventive Maintenance Plan
	188	Grzegorz Dudek, Jerzy Szkutnik	Daily Load Curves in Distribution Networks - Analysis of Diversity and Outlier Detection
	195	Stanislav Mišák, Jan Fulneček	The influence of ferroresonance on a temperature of voltage transformers in underground mines

